

90006

STATE OF MONTANA }
County of Sweet Grass. }

Filed this 22 day
of October A.D. 1920
at 11:05 o'clock P.M.

Margaret Haggan
Clerk

By _____

File No. 91331

RECEIVED

T. 1 S. R. 16 E.

DUPLICATE

NOV 19 1971

County Sweetgrass

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level.....)

0-8 Top soil

8-25 Gravel & Sand

25-40 Very hard sandstone (Water) (Under Chapter 237 Montana Session Laws, 1961, as amended)

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

Doc. No. 91331
Filed for record
this 18 day of November
A. D. 19 71, at 4:00
clock P.M.

Owner Howard J. Smith Address Graycliff, Mont.

Driller B & H Drilling Address Fishtail, Mont.

Date of Notice of appropriation of groundwater.....

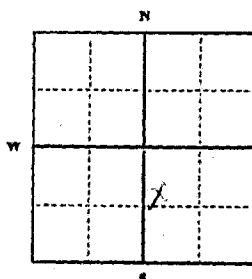
Date well started 11/1/71 Date completed 11/2/71

Type of well Drilled Equipment used churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>6 inch</u>	<u>6 5/8</u>	<u>18"</u>	<u>28</u>	<u>none</u>		
	<u>18.97</u>	<u>5-</u>	<u>40</u>	<u>3/16 holes</u>	<u>30</u>	<u>38</u>
	<u>1/2 Plastic</u>					



Static Water Level for non-flowing well 12 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 35 feet

at 15 gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested Soaker

Length of Test 3 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

1/4 Sec. 5 T. 15 R. 16 E.
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Drove steel casing into hard sandstone 3 ft.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

40 ft.

Well is for a trailer home.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

No. 27

Driller's License Number

Med L. Haugan
Driller's Signature.

19434

9331

STATE OF MONTANA,
County of Beauregard,

FILED 18
of November
at 4:00 P.M.

Margaret Hoxeney
Deputy.

File No. 92647T. 15 R. 16E

DUPLICATE

County San Juan

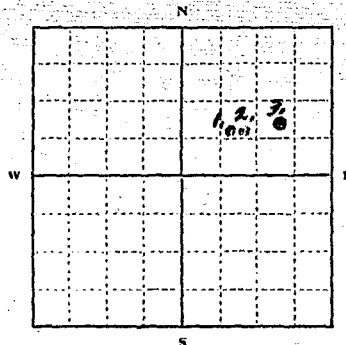
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Howard Forsythe of Gray Cliff
(Name of Appropriator) (Address) (Town)
County of San Juan State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1, SW 1/4, NE 1/4, Sec 5, T15, R16E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2, SW 1/4, NE 1/4, Sec 5

3, SE 1/4, NE 1/4, Sec 5

2. The beneficial use on which the claim is based Springs No. 1 &
No. 2 are household use, No. 3 stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov 1885; No. 2, 1942
No. 3, 1950 Use at all wells has been
continuous

4. The amount of groundwater claimed in owner's inches or gallons per minute) No. 1, 18 gpm Wells No.
2 & 3 pump 135 gpm each

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
Well No. 2 waters 1/4 acre lawn

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well No. 1
is hand pump; wells No. 2 & 3 have
electric pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No. 1 est 1885; No. 2 June 1942;
Oct 20-23, 1960

8. The depth of water table No. 1, 20 ft.; No. 2, 12 ft.; No. 3, 12 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater No. 1 - Hand dug to 20 ft with steel point
driven to 35 ft well is 4 ft in diameter with hand line rock walls
No. 2 well is 5.6 ft drilled and cased completely with 6" metal
casing. No. 3 is 3 drilled well 6.2 ft deep completely cased
with 6" casing

10. The estimated amount of groundwater withdrawn each year No. 1 - 50,000 gal; No. 2 - 250,000 gal;
No. 3 - 125,000 gal

11. The log of formations encountered in the drilling of each well if available (none)

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Howard P. ForsytheDate 12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

34050

82647

STATE OF MONTANA,		}	ss.
County of Great Falls			
Filed this		23	day
of	Jan	A. D. 1964	
at	1945	A. M.	
By		Arne Ham	
		Deputy.	

File No. 82644T. 15 R. 16 E

DUPLICATE

County Sweet Grass

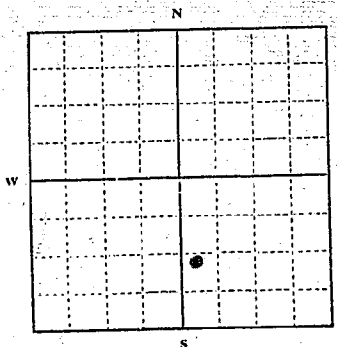
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Howard Forsythe, of May Cliff (Town)
(Name of Appropriator) (Address)
County of Sweet Grass State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SE Sec. 5 T. 15 R. 16 E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Stock Water3. Date of approximate date of earliest beneficial use; and how continuous the use has been Howard Forsythe4. The amount of groundwater claimed (in miner's inches or gallons per minute) 35 g.p.m.5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand Pump7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March and April 19348. The depth of water table 2 ft.9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is hand dug 18 ft deep with 4 ft diameter rock up wells10. The estimated amount of groundwater withdrawn each year 150,000 gal.11. The log of formations encountered in the drilling of each well if available (none)

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Howard ForsytheDate 12/30/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

34047

82644

STATE OF MONTANA, } ss.
County of Sweet Grass.

Filed this 23 day
of Jan A. D. 1964
at 945 o'clock A. M.
Archie Ham
County Clerk.
By _____ Deputy.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner <i>Mr. B. L. Smith</i>	For Administrator's Use
Address <i>Columbus</i> <i>Montana</i>	File <i>918.29 June 1, 1922</i> <i>1:40 p.m.</i>
Date well started <i>Nov 1 - 1904</i>	GW 1
completed	

Type of well Aug (Dug, driven, bored or drilled)

Equipment used _____
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

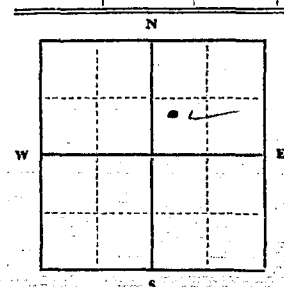
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe Household, Land, & stock

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<i>unbroken</i>						



Static water levelft.*
Pumping water levelft.*
atgallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed by

forhours.

Power..... Pump..... HP
Remarks: (Gravel packing, cementing)

Remarks: (Gravel packing, cementing,
packers, type of shutoff)

packets, type of, and other

5. 21. 14. 1/4 1/4 Sec. 1/4
T. 1/4 R. 1/4 (E) R. 1/4

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature James R. Brown

[illegible]

LICENSE NO.

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level) 4000'

[illegible]

10612 A Show exact depth of bottom

50,533

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STATE OF MONTANA }
COUNTY OF SWEET GRASS } SS.
Filed this 1st day
of June A. D. 1922
at 1:40 o'clock P. M.

STATE OF MONTANA }
COUNTY OF SWEET GRASS } SS.
Filed this 1st day
of June A. D. 1922
at 1:40 o'clock P. M.

Margaret Plaggemeyer

County Recorder,

By Hazel O. Sallang
Deputy

state number of acres and location or other data (i.e. lot, block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

**Size of
Drilled
Hole**

Size and Weight of Cabin

**from
(over)**

03.

100

REORAJ

1. *Staphylococcus aureus* (Staph.)

4

11

[illegible]

100

Dept. of Natural Resources
Water Resource Division

Big Bend, Texas
Dec. 10, 1972

with
59019
16E Sec. 6

Dear Sirs,
Mrs Smith was raised on this ranch & probably the oldest living person here. She might know who dug the wells. She doesn't remember who dug them and it was before any records were kept, so we don't have a lot of this information. Hope this meets with your approval.
I am a friend of Mrs Smith and have been helping her with some of these things.
Sincerely, Harold Eif

please take
ur ground-

orm.

Box 62
Big Bend.

Equipment used

(Cable, drill, rotary, or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐

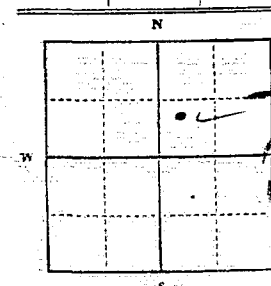
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☒

*Describe *well, pump & stock*

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
		7	7	Kind Size
		144	0 ft	From (Feet)
				To (Feet)
				Three stainless steel bottom to top



Static water level 7 ft.
Pumping water level 7 ft.
at 20 gallons per minute
measured minutes after pumping began.
*Measured from ground level.
Well developed by *Hand* for *144* hours.
Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of tool)

T. 16 S. 14 E. 1/4 Sec. 6
T. 16 S. 14 E. 1/4 Sec. 6
R. 16 E. 1/4 Sec. 6

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Driller's Address

LICENSE NO.

10 4 7 Show exact depth of bottom

50,533

File No. 29811

DUPLICATE

T.L.S. R 16 E

County Sweet Grass

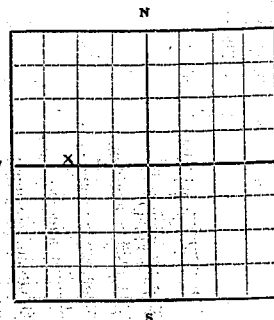
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Kenneth R. Elgen & Erwin P. Elgen of Big Timber
(Name of Appropriator) (Address) (Town)
County of Sweet Grass State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 12
Sec. 6, T.1.S. R.16.E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Stock Watering
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 29, 1961
Daily
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Static Water level, for non-flowing well: 8 feet. Pumping water level 11 feet at 100 gal. per min. Length of Test: 45 min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Gasoline engine driven Hypro pump or hand pump. Located approx. 40 ft. east of barn. Sec. 6 Lot 12 S.E. Corner
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 29, 1961
8. The depth of water table 8 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Rotary Drilled 40 ft. Cased with 31 ft perforated 6" casing and 9 ft. non-perforated. All casing 20 gage galvanized.
10. The estimated amount of groundwater withdrawn each year 40,000 gals.
11. The log of formations encountered in the drilling of each well if available 0 to 18 ft. - Boulders 18 ft. to 40 ft. - Sand & layers of Gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Kenneth R. Elgen
Signature of Owner Erwin P. Elgen

Date January 15, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1360

77811
STATE OF MONTANA }
County of Sweet Grass } ss.
Filed this 5 day
of Feb A. D. 1942
at 10:30 o'clock A.M.
DICK ARMSTRONG
County Clerk.
By Catherine Thompson
Deputy.

File No. 81896T. 1 S. R. 16 E

DUPLICATE

County Stillwater

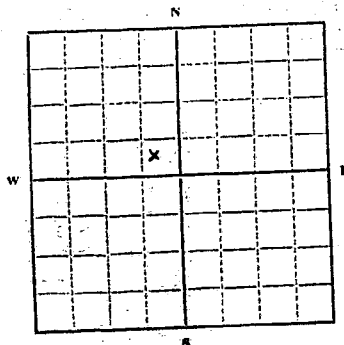
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
NOV 21 1963

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Co., of Graycliff
(Name of Appropriator) (Address) (Town)
County of Stillwater State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW Sec. 8 T. 18 R. 6E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.
Domestic purposes, locomotive supply
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
March 28, 1942 to present
4. The amount of groundwater claimed (in miner's inches or gallons per minute).
30 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
Unknown
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
Turbine pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
Started Feb. 23, 1942 Completed March 28, 1942

8. The depth of water table 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
8 inch drilled well, 105 feet deep

10. The estimated amount of groundwater withdrawn each year Unknown. Leased out.

11. The log of formations encountered in the drilling of each well if available. See attached log AG-A

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.
None

Signature of Owner

Date

Nov 8 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

81896

STATE OF MONTANA, } ss.
County of Sweet Grass.

Filed this 19 day
of Nov A. D. 1963
at 9:20 o'clock A. M.
Arne Ham
County Clerk.

By _____
Deputy.

OF

Approved Stock Form—State Publishing Co., Helena, Montana—41921 a 38

File No. 82010

T. 15 R. 16E
County Lincoln

DUPLICATE

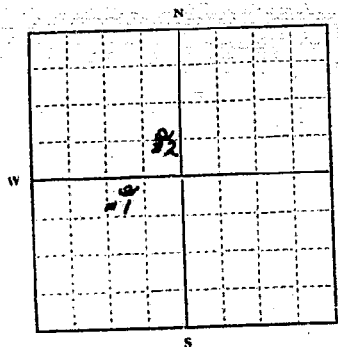
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 12 1963

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Herman Smith of Gray @ Hill
(Name of Appropriator) (Address) (Town)
County of Lincoln State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 8, T. 15R. 16E
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
#1 NW1/4 SW1/4 Sec. 8
#2 NE1/4 NW1/4 Sec. 8

2. The beneficial use on which the claim is based BOTH WELLS USED FOR STOCK WATER No 2 WELL ALSO HOUSEHOLD USE
3. Date or approximate date of earliest beneficial use; and how continuous the use has been No 2 WELL USED CONTINUOUSLY FOR 20 YRS.
No 1 USED GROUNDING YEARLY FOR 20 YEARS.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) No 2 - 15 GALS PER MINUTE
No 1 - 15 GALS PER MINUTE
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
NOT APPLICABLE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
BOTH WELLS PUMPED
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater DATE NOT KNOWN - BOTH WELLS IN OPERATION APPROXIMATELY 20 YEARS
8. The depth of water table No 2 - 7 FT No 1 - 7 FT.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
No 1 dug well with 16" TILE
No 2 dug well cased with concrete & steel
10. The estimated amount of groundwater withdrawn each year No 2 - 900,000 gals. No 1 - 150,000 gals.
11. The log of formations encountered in the drilling of each well if available
BOTH WELLS GRAVEL
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Herman Smith
Date Dec 10 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triuplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

1637

File No. 91.316

DUPLICATE

T. 15 R. 16ECounty Sweetgrass

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

Top of Ground

(Elev. above sea level.....)

0-16 Gravel & sand16-30 Very hard sandstone (Water) 25 ft. (Under Chapter 237, Montana Session Laws, 1961)Doc. No. 9131

Filed for record

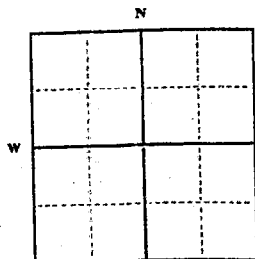
this 12 day of NovemberA. D. 19 71, at 3:30o'clock P. M.Owner Mildred GrandaAddress Graycliff, Mont.Driller B & H DrillingAddress Ghostail, Mont.

Date of Notice of appropriation of groundwater.....

Date well started 11/3/71Date completed 11/5/71Type of well Drilled
(Dug, driven, bored or drilled)Equipment used Churn drill
(Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	6 5/8 18.97 4 1/2 Plastic	18 1/4 10	18 1/2 30	none 3/16 holes	22	28

1 AC. in lot 5.1/4 Sec. 8 T. 15 R. 16E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.Static Water Level for non-flowing well 5 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 25 feetat 12 gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested BailerLength of Test 2 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

Drove steel casing into hard grey sandstone 2 1/2 ft.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Well is for home 1 AC. in lot 5.

Show exact depth of bottom.

30 ft.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

No. 27

Driller's License Number

Red L. Hangan

Driller's Signature

49389

91316

UNITED STATES DEPARTMENT OF AGRICULTURE

12th
November 71
3:30 P.M.
Margaret Haggan

By

12th November 1971
Margaret Haggan

12th November 1971
Margaret Haggan

12th November 1971

12th November 1971

12th November 1971

12th November 1971

12th November 1971

12th November 1971

12th November 1971

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12th November 1971

12th November 1971

12th November 1971

12th November 1971

12th November 1971

12th November 1971

12th November 1971

RECEIVED

County Sweetgrass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

(wtr)

Owner Bob White

Address Greycliff, MT

Date well started 3-19-73

completed 3-26-73

For Administrator's Use

File 53,162

May 14, 1973

GW 1 4:30 p.m.

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used churn drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

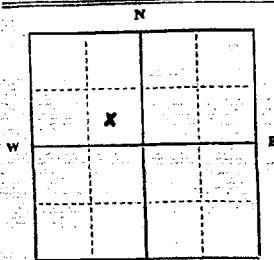
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☒

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	5.5/8 17.02	+18"	56	none		
6"	4 1/2 160 psi plastic	-3'	118'	3/16 drilled holes	70	110



SW 1/4 NW 1/4 Sec. 9
T. 75 N. R. 166 E.
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Driller's Address Box 32, Fishtail, MT 59028

Static water level 43 ft.*
Pumping water level 110 ft.*
at 10 gallons per minute,
measured 30 minutes after pumping began.

*Measured from ground level.

Well developed by batter
for 2 1/2 hours.

Power HP Pump HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground

(Elev. above sea level)

From (Feet)	To (Feet)	
0	37	top soil
37	53	soil, sand & gravel
53	67	blue shale
67	99	hard grey sandstone
99	118	reddish brown shale

118 Show exact depth of bottom

LICENSE NO. 27

53,162

92924

STATE OF MONTANA
COUNTY OF SWEET GRASS

Filed this 14th day
of May A. D. 1972
at 4:30 o'clock P. M.

Margaret Maggeneyer

County Recorder

By

Angel O. Halling
Deputy

File No. 82770

T. 1S R. 16E

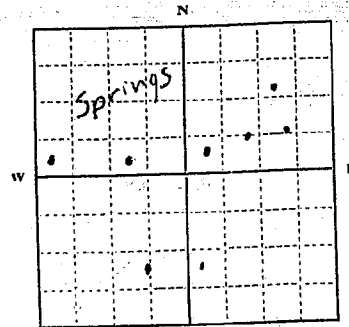
DUPLICATE

County SweetgrassSTATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert C. Line and Louise C. Line, of Rte #3 Missoula (Town)
(Name of Appropriator) (Address)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



All
1/4 Sec. 11, T. 1S, R. 16E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based on agriculture, household irrigation and general farm use, including water for stock raising.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since October 1923

4. The amount of groundwater claimed (in miner's inches or gallons per minute) All available with a total of 100 gallons per minute plus unknown amounts

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof (100 acres) All of section 11 T. 1S R. 16E Owners as in No. 1 above

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Springs are free flow to surface. Location per diagram at left.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater October 1923

8. The depth of water table Unknown. Various levels

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Springs are free flowing water stimulated by removal of surface debris; use of reservoirs.

10. The estimated amount of groundwater withdrawn each year in excess of 100 million gallons

11. The log of formations encountered in the drilling of each well if available not required for springs

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Louise C. Line Signature of Owner Robert C. Line
Date 12-23-1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

15903

82270

STATE OF MONTANA } ss.
County of Sweet Grass }

Filed this 22 day

of Dec A D 19 63

at 2:30 o'clock P M.

Orville Hansen
County Clerk

By _____
Deputy

December

63

File No. 82269

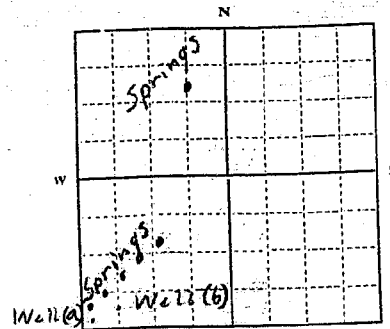
T. 1 S. R. 16 E

DUPLICATE

County Sweetgrass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERRECEIVED
DEC 30 1962Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Robert C. Line and Louise C. Line, of Rte #3 Missoula,
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 13 T. 1 S. R. 16 E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
Springs—All of
Sec. 13 T. 1 S. R. 16 E

2. The beneficial use on which the claim is based on agriculture, household, irrigation and general farm use, including water for stock raising.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
Well (a) Continuous since 1923 October
Well (b) Continuous since 1941
Springs—Continuous since 1923
4. The amount of groundwater claimed (in miner's inches or gallons per minute) All available with total of 400 gallons per minute plus unknown amounts
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
(40 acres) SW 1/4 Sec. 13 T. 1 S. R. 16 E
Owners as in No. 1 above
Springs—All of Sec. 13 T. 1 S. R. 16 E
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
Pump Location per diagram at left
Springs are free flow to surface.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Well (a) October 1923
Well (b) October 1941
Springs—October 1923
8. The depth of water table.
Well (a) 8 feet
Well (b) 8 feet
Springs—Unknown. Various levels
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
Well (a) driven 15 feet deep
Well (b) 12 feet deep
Springs are free flowing water stimulated by removal of surface debris; use of reservoirs.
10. The estimated amount of groundwater withdrawn each year 3 million gallons for each well
Springs— in excess of 100 million gallons
11. The log of formations encountered in the drilling of each well if available. Log not kept. Formation consisted of topsoil, clay, sand and gravel.
Log not required for springs.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Louise C. Line Signature of Owner Robert C. Line
Date 12-23-1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

15902

82269

STATE OF MONTANA }
County of Sweet Grass }

Filed this 26 day
of April 1963
at 225 O'Clock P.M.
Arne Hansen
County Clerk

Deputy

File No. 82268T. 1S R. 16E

DUPLICATE

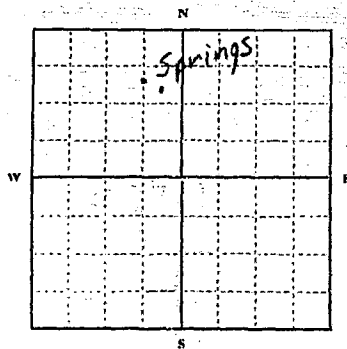
County Sweetgrass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1968

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Robert C. Line and Louise C. Line, of Rte #3 Missoula,
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



All
1/4 Sec. 14 T. 1S R. 16E
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based on agriculture, household, irrigation and general farm use, including water for stock raising.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since October 1923
4. The amount of groundwater claimed (in miner's inches or gallons per minute) All available with a total of 100 gallons per minute plus unknown amounts
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof (10 acres) All of Sec. 14 T 1S R 16E Owners as in No. 1 above
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Springs are free flow to surface. Location per diagram at left.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater October 1923 and March 1942
8. The depth of water table Unknown. Various levels.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Springs are free flowing water stimulated by removal of surface debris; use of reservoirs.
10. The estimated amount of groundwater withdrawn each year in excess of 100 million gallons.
11. The log of formations encountered in the drilling of each well if available not required for springs
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Robert C. Line Signature of Owner Robert C. Line
Date 12-23-1968

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

15401

82268

STATE OF MONTANA,
County of Silver Bow.

Filed this 26 day of

at Helena, A. D. 1963

at 920 o'clock P.M.

Arne Haen
County Clerk.

by _____
Deputy.

File No. 82267

T 18 R 16E

DUPLICATE

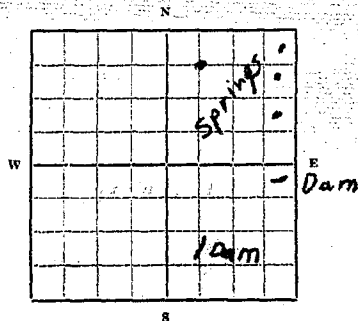
County Sweetgrass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 30 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Robert C. Line and Louise C. Line of Rte #3 Missoula
(Name of Appropriator) (Address) (Town)
County of Missoula State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



All

1/4 Sec. 15 T. 18 R. 16E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based on agriculture, household, irrigation and general farm use, including water for stock raising.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since October 1923
4. The amount of groundwater claimed (in miner's inches or gallons per minute) All available with a total of 400 gallons per minute plus unknown amounts
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof (40 acres) All of Sec. 15 T. 18 R. 16E Owners as in No. 1 above
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Springs are free flowing to surface. Location per diagram at left.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater October 1923
8. The depth of water table Unknown. Various levels
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Springs are free flowing water stimulated by removal of surface debris; use of reservoirs, and dams.
10. The estimated amount of groundwater withdrawn each year in excess of 100 million gallons
11. The log of formations encountered in the drilling of each well if available not required for springs
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Louise C. Line Signature of Owner Robert C. Line

Date 12-23-1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

15900

82267

STATE OF MONTANA, }
County of Sweet Grass } ss.
Filed this 29 day
of Dec A. D. 19 63
at 2:15 o'clock P. M.
Anna Hauer
County Clerk
By _____ Deputy

File No. 82316T. 1 S R. 16 E

DUPLICATE

County Sweet Grass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

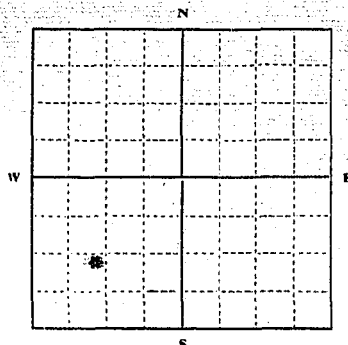
RECEIVED
DEC 30 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Carl O. Kjarmo of Grey Cliff
(Name of Appropriator) (Address) (Town)
County of Sweet Grass State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 16 T. 16 S. R. 16 E

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based on domestic, livestock and irrigation use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Since Aug. 26, 1948 when I bought ranch and continuous thereafter
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Over 10 miner's inches
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Irrigation of residential lawn and garden Carl O. Kjarmo and Ethel Mae Kjarmo
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Automatic electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Electric pump was installed in 1955
8. The depth of water table 4 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is over 14 feet deep and it has a six inch casing.
10. The estimated amount of groundwater withdrawn each year See #4 above. The well has not been pumped dry.
11. The log of formations encountered in the drilling of each well if available Not available but it would be mostly gravel.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Carl O. KjarmoDate Dec. 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate to the Appropriator.

157116

82316

STATE OF MONTANA, } ss.
County of Sweet Grass. }

Filed this 27 day

of Dec A. D. 19 63

at 10:15 o'clock A. M.

Arno Haum
County Clerk

By _____
Deputy

File No. 82111

DUPLICATE

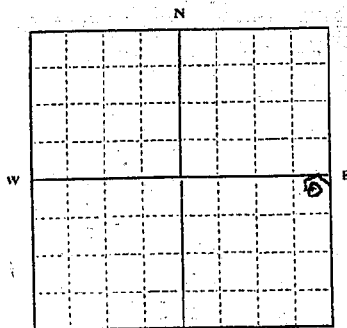
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

T. 15 R. 16E
County Sweet Grass
RECEIVED
DEC 19 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. E. O. Birkeland, of Gray Cliff Mont
(Name of Appropriator) (Address) (Town)
County of Sweet Grass State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

 $\frac{1}{4}$ Sec. T. R.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

NE NE SE $\frac{1}{4}$ Sec 17
T15 R16E

2. The beneficial use on which the claim is based Human & Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dredged 1917 & used every since to present.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gallon/minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Dig Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1917 started in May. Finished in June 1917
8. The depth of water table 57 feet below Surface.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6" dia drilled 57 ft deep
10. The estimated amount of groundwater withdrawn each year 1,000,000 gallon.
11. The log of formations encountered in the drilling of each well if available
6-17' Loose Rock & Nut
Hard Conglomerate rock
Valley
17-23' Loose gravel
23-68' Soft Congl.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

E. O. Birkeland

Date

12-17-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

82111

STATE OF MONTANA,
County of Sweet Grass. } ss.

Filed this 17 day
of Dec A. D. 1963
at 4:25 o'clock P.M.
Arne Haum
Clerk.
By _____ Deputy.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

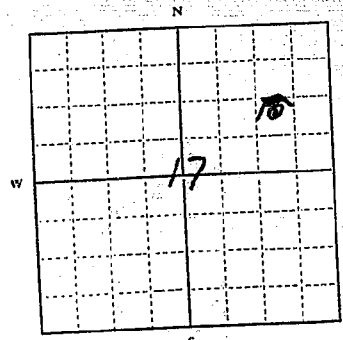
File No. 82471T. 15 R. 16E
County Sweet Grass

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. DRONE A. Broaten of Grey Cliff Mont
(Name of Appropriator) Address (Town)
County of Sweet Grass State of Mont
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NWSENE 1/4 Sec. 17 T. 15 R. 16E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Human & Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 & Continuous ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 100 gallon / minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by Pump NWSE NE 1/4 Sec 17

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater April 1930 - April 1930
8. The depth of water table 20 ft Below Surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 8" dia drilled 60 ft deep
10. The estimated amount of groundwater withdrawn each year 2,000,000 gal / yr.
11. The log of formations encountered in the drilling of each well if available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date

D. A. Broaten
12-31-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

33552

82471

STATE OF MONTANA }
County of Sweet Grass } ss.

Filed this 18 day
of Jan A.D. 1964
at 4.05 P.M.
Dave Ham

By _____
Clerk

GW 2

MONTANA WATER RESOURCES BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—46805

File No.

T. R.

DUPLICATE

JUN 24 1969

County Sweetgrass

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDTop of Ground 0-2 Top Soil
(Elev. above sea level.....)Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

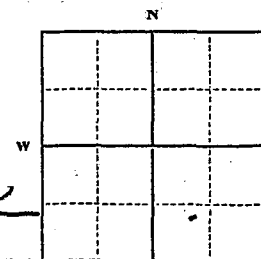
Owner Charles Pile Address Highcliff, MontDriller B & H Drilling Address Fishhook, Mont

Date of Notice of appropriation of groundwater.....

Date well started 4/28/69 Date completed 5/1/69Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind-Size	From (Feet)	To (Feet)
6 inch	6 5/8	14	20			
	18.97					
	4 1/2 Plastic	9-	109	3/16 holes	95	105

Static Water Level for non-flowing well 90 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 95 feet
at 20 gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested Bailer & PumpLength of Test 2 hrs.Remarks: (Gravel packing, cementing, packers, type of shutoff) Well wasdrilled in Livingstonat a Brown BrakenSangre de Cristo at 97 ftwas afraid of losing water sostopped at 109 ft. (Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

109 ft.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

No. 27
Driller's License NumberPaul L. Haugan
Driller's Signature.45,357

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 20 1964

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION
WITHOUT WELL
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Date of appropriation of Groundwater

Owner Address

Contractor (if any)

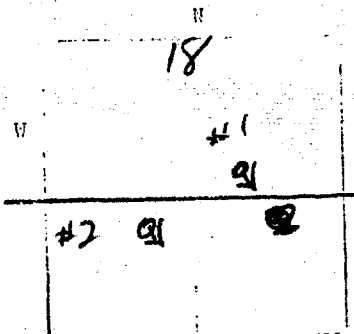
Address of Contractor

Date Started

Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable

Gravity Flow to Surface



Sec 19 T. 12 R. 12
Indicate point of appropriation and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

use Estimated flow #1 5 min
#2 5 min 20 sec

#1 NE SW SE 1/4 Sec 18
#2 SW NE NW 1/4 Sec 19

Signature of Owner

Date Duane Braaten
12-31-63

STATE OF MONTANA
COUNTY OF SWEET GRASS

Having first been duly sworn, depose and say that he of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name subscribed thereto, or the appropriator and claimant that he know the contents of said foregoing notice and that the matters and things therein stated are true

Subscribed and sworn to before me, this

3) Duane Braaten, 1963
Notary Public for the State of Montana
Residing at Big Timber, Mont
My Commission Expires Jan 7 1967

82472

STATE OF MONTANA }
County of _____ } ss.
Filed this 18 day
of Jan 1964
at 405 P.
Ann Ham
By _____
Deputy.

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. 82676T 15 R 16 E

DUPLICATE

County Sweetgrass

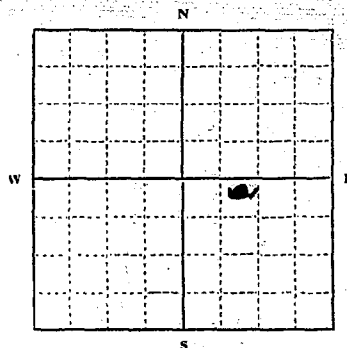
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Alfred E. Ostman of Breed Point, Montana
(Name of Appropriator) (Address) (Town)
County of Sweetgrass State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 20 T. 15 R. 16 E

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

NE 1/4 NW 1/4 SE 1/4

2. The beneficial use on which the claim is based.

Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.

1961

4. The amount of groundwater claimed (in miner's inches or gallons per minute)

8 gals per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

gas meter

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater

started & completed 1961

8. The depth of water table

12 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

Drilled well
6" casing
20 ft

10. The estimated amount of groundwater withdrawn each year

250,000 gallons

11. The log of formations encountered in the drilling of each well if available

not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

none

Signature of

Bernice Ostman
Alfred E. Ostman

Date Dec. 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology, and Quadruplicate for the Appropriator.

34076

82676

STATE OF MONTANA, } ss.
County of Sweet Grass.

Filed this 23 day

of Jan A.D. 1964

at 2:15 P.M.

Orin H. Harn

By _____
Deputy

G1.

Approved Stock Form—State Publishing Co., Helena, Montana—36687

File No. 81109

DUPLICATE

RECEIVED
MAR 13 1963
County Sweet Grass

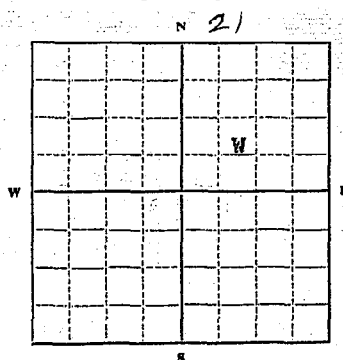
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
MAR 14 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Christ Schott of Box 51 Grey Cliff
(Name of Appropriator) (Address) (Town)
County of Sweet Grass State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$ Sec. 21 T. 15 R. 6E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. Irrigation, Livestock water and household water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Bought land in 1947 and have been using water from well continuously since that day.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Garden and yard are irrigated— one acre— Christ Schott and Paulina Schott, owners
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Water is pumped by means of an electric motor attached to pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Unknown
8. The depth of water table. 70 feet from surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Well is dug and is approximately 80 feet deep.
10. The estimated amount of groundwater withdrawn each year. 200,000 gallon
11. The log of formations encountered in the drilling of each well if available. Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. I have never been able to pump this well dry, even when raining day and night to irrigate my garden and yard.

Signature of Owner Christ SchottDate Mar. 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

3889

81109

STATE OF MONTANA } ss.
County of Sweet Grass.

Filed this 12 day
of March A.D. 1963
at 1:00 o'clock P.M.
Alvin Haum
By _____

GW 2 350' Lt. & median, Sta. 877+75

Project I-90-7(6)377

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.

T 1 S R 16 E

DUPLICATE

County Sweet Grass

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERNotice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elev. above sea level 3888.48')

Sandy silt

Owner Montana Highway Commission Address Helena, Montana

Driller Montana Highway Department Address Helena, Montana

Date of Notice of appropriation of groundwater May 21, 1970

Date well started May 1, 1970 Date completed May 21, 1970

Type of well drilled Equipment used Churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☒

Rest Area Water Supply

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

24.0'

Sand

27.0'

Very dense sandy gravel.

43.4'

Contact; water.
Very dense sandy gravel.

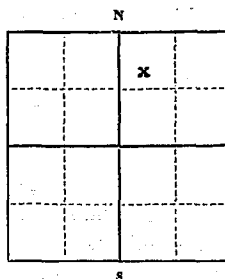
44.2'

Livingston formation.

53.7'

Bottomed well in
Livingston formation.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	7.981" I.D. 28.554 lbs. per ft.	0.0	44.2'	Screen 100 slot L.C. steel	42.8'	53.7'

Static Water Level for non-flowing well
32.5' feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 48.0 feet

at 50 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested pumped

Length of Test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff)

NW 1/4 Sec. 21 T15 R16E
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

WATER ANALYSIS

pH 7.7

CO₂ 8.9 ppmMethyl Orange Alkalinity 144.4 ppm CaCO₃Total Hardness 142.0 ppm CaCO₃

Total Solids 218 ppm (Continue on reverse side)

USE If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Doc. No. 89693

Filed for record

this 4 day of June

A. D. 1970, at 1:44

o'clock P.M.

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

None required

Driller's License Number

Driller's Signature

46527

FILED:

June 4, 1970

11:44

O'Clock P.M.

File No: 89692

MARGARET FLAGGMEYER Clerk & Recorder

By Deputy Harold D. Darling

Log No. 500 WW
360' Rt. [median Sta. 880+60
Project No. 90-7(6)377

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.

T 1 S R 16 E

DUPLICATE

County Sweet Grass

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Montana Highway Commission Address Helena, Montana

Driller Montana Highway Department Address Helena, Montana

Date of Notice of appropriation of groundwater 5/19/70

Date well started May 14, 1970 Date completed May 29, 1970

Type of well drilled Equipment used Churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Rest Area Water Supply
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Top of Ground
1.5' Stiff brown clayey loam.
(Elev. above sea level 3919.2')
1.8' Plate welded to casing.
Loose brown sandy silt,
with coarse gravel.

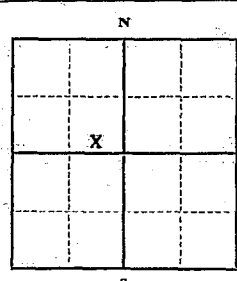
18.5'
Medium dense brown
sand with coarse
gravel.

41.5' Water

Very dense Livingston
volcanic bedrock.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" ID steel 19.88 lbs. per ft.	0.0'	95.2'	Screen 100 slot L.C. steel	93.4'	99.3'

Doc. No. 89732
Filed for record
this 10 day of June
A. D. 1970
at Helena, Mont.
P. M.



Static Water Level for non-flowing well
57.0 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 57.3 feet

at 42 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pumped

Length of Test 3 hours

Remarks: (Gravel packing, cementing, pack-
ers, type of shutoff)

SE 1/4 NW 1/4 Sec. 21 T. 1 S. R. 16 E

Indicate location of well and
place of use, if possible. Each
small square represents 40
acres.

Phenolphthalein alkalinity

Methyl Orange alkalinity

Total hardness

WATER ANALYSIS
pH 7.6
CO₂ none
2.0 p.p.m.
128.0 p.p.m. CaCO₃
130.0 p.p.m. CaCO₃
(Continue Back Vers. 100)

USE—If used for irrigation, industrial, drainage or other. Explain, state
number of acres and location or other data (i.e.: Lot, Block and Addi-
tion).

99.7'
Bottomed hole in
very dense Livingston
volcanic bedrock.
Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the
County Clerk and Recorder in the county in which the well is located, tissue copy to be
retained by driller.

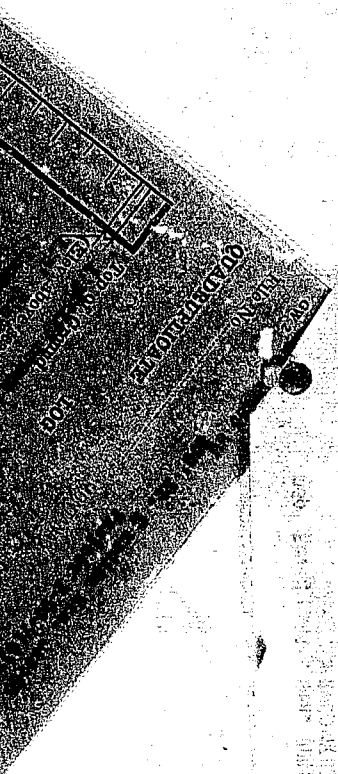
Please answer all questions. If not applicable, so state, otherwise the form will be
returned.

None required

Driller's License Number

Signature B. Tox
Driller's Signature

46583



FILED: JUN 10 1970
3:45 O'Clock PM
File No: 89732
MARGARET PLACEMEYER Clerk & Recorder
By Deputy Gayle D. Hallang

[Faint, mostly illegible text from the reverse side of the page, appearing as bleed-through. Some words like "MARGARET PLACEMEYER" and "CLERK & RECORDER" are visible.]

GW 2 360' Rt. E median Sta. 280+60
Project I-90-7(6)377

Approved Stock Form—State Publishing Co., Helena, Montana—42329

File No.

T. 1 S. R. 16 E

QUADRUPLICATE

LOG

County Sweet Grass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Montana Highway Commission address Helena, Montana

Driller Montana Highway Department address Helena, Montana

Date of Notice of appropriation of groundwater 5/19/70

Date well started May 14, 1970 Date completed May 29, 1970

Type of well drilled Equipment used Churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Rest Area Water Supply

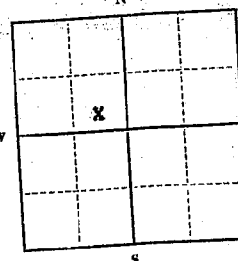
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	6" ID steel 19.88 lbs. per ft.	3.0'	35.2'	Screen 100 slot L.C. steel	33.4'	39.3'

18.5' Medium dense brown sand with coarse gravel.

41.3' Water
Very dense Livingston volcanic bedrock.

Doc. No. 89732
Filed for record this 16 day of June
A. D. 19 70, at 03:45 o'clock P.M.



Static Water Level for non-flowing well 37.0 feet.

Shut-in Pressure for Flowing Well ---

Pumping Water Level 37.3 feet

at 42 gal. per minute.

Discharge in gal. per min. of flowing well ---

How Tested Pumped

Length of Test 3 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff)

WATER ANALYSIS

pH 7.6

CO₂ none

Phenolphthalein alkalinity 2.0 p.p.m.

Barium Chloride alkalinity 128.0 p.p.m. CaCO₃
(Conductivity on reverse side)

Total hardness ---

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

39.7' Bottomed hole in very dense Livingston volcanic bedrock.
Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

None required

Driller's License Number

Shuman B. Fox

Driller's Signature

46589

FILED: JUN 16 1970
3:45 PM
File No. 89732
MARGARET PLACEMEYER Clerk & Recorder
By Deputy *Reginald D. Galloway*

File No. 87731T. 15 R. 16E

DUPLICATE

County Sweet Grass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 27 1964

STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

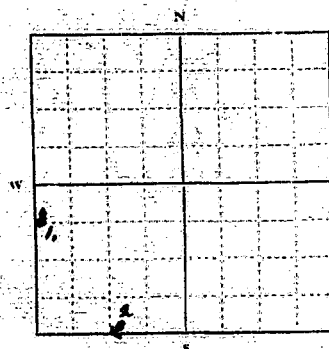
Date of Appropriation of Groundwater.....

Owner Rudolf Forster Address Grey Cliff

Contractor (if any)

Address of Contractor

Date Started..... Date Completed.....



1. NW 1/4 Sec. 22, T. 15, R. 16E
Indicate point of appropriation
and place of use, if possible.

2. SE 1/4, SW Sec. 22

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. No. 1 has concrete collection box on spring 18" ap and 2 ft deep from which water is piped to house and stock.

No. 2 has pipe from spring source into steel stock tank

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. No. 1 flows

3.5 minutes inches in peak season and fluctuates in dry years watering stock, irrigating large garden and household water.

No. 2 flows 5 gpm for stock year around.

Signature of Owner Rudolf ForsterDate Dec 31 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

82731

STATE OF MONTANA, }
County of Sweet Grass } ss

Filed this 25 day

of Jan A D 1944

at 910 P. M.

By Arne Hain County Clerk

Deputy

82729

T. 15 R. 16E

22

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

SWEET GRASS COUNTY
JAN 22 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

Rudolf Forster of Grey Cliff
(Name of appropriator) (Address) (Town)
County of Sweet Grass, State of Montana have appropriated groundwater according
to the Montana Laws in effect prior to January 1, 1962, as follows:

N		
W		E
		S

2. The beneficial use on which the claim is based stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1905

4. The amount of groundwater claimed (in miner inches or gallon per minute) 25 gpm

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
none

Sec 22 T 15 R 16E

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal hand pump

7. The date of commencement and the completion of the construction of the well, wells, or other works for withdrawal of groundwater 1904 (approx)

8. Depth of water table 18 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of the other works for the withdrawal of groundwater

10. The estimated amount of groundwater withdrawn each year 25000 gal

11. The log of formations encountered in the drilling of each well if available
(none)

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference page of county records and book number

SIGNATURE OF OWNER Rudolf Forster
DATE Dec 31 1963

STATE OF MONTANA)
COUNTY OF SWEET GRASS) ss.

Rudolf Forster HAVING FIRST BEEN DULY SOWNN, DEPOSES AND
SAYS THAT HE (IS, ARE) OF LAWFUL AGE AND (IS, ARE) THE APPROPRIATOR AND
CLAIMANT OF THE ORDER AND WATER RIGHT MENTIONED IN THE FOREGOING DECLARATION
OF VESTED GROUNDWATER RIGHTS AND THE PERSON WHOSE NAME SUBSCRIBED
THEREIN, AS THE APPROPRIATOR AND CLAIMANT, THAT HE KNOW THE
CONTENTS OF SAID FOREGOING NOTICE AND THAT THE MATTERS AND THINGS THEREIN STATED
ARE TRUE.

SUBSCRIBED and SOWNN to before me, this 31 day of Dec, 19 63

Clara Haum
Notary Public for the state of Mont.
residing at Big Timber, Mont.
Commission expires Jan 1 1967

82929

STATE OF MONTANA, } ss.
County of Sweet Grass.

Filed this 25 day

of Jan A. 19

at 9:10 A. M.

Wm. L. Lamm
Clerk

By Deputy.

GW 3

Approved Stock Form—State Publishing Co., Helena, Montana—42345

File No. 93008T. 15 R. 16E

DUPLICATE

CORRECTION TO
DOCUMENT NO. 89501 FILED 3-13-70
STATE OF MONTANACounty SWEET GRASS

RECEIVED

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JUN 19 1973

MONTANA DEPARTMENT OF
NATURAL RESOURCES AND CONSERVATION**Notice of Completion of Groundwater Appropriation
Without Well**

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

FILE 93008
DATE June 18, 1973
TIME 11:47 AM

Date of Appropriation of Groundwater.....

Owner BERNIECE OSTROM Address REED POINT, MONT.Contractor (if any) NONE

Address of Contractor

Date Started LATE 1800's Date Completed NO DEVELOPMENT-NATURAL SPRING1) Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, drains, etc.) NATURAL SPRINGS,
UNDEVELOPED

2) Means of withdrawing water (gravity, pump, canal, etc.).....

GRAVITY FLOW3) Depth of water table ABOUT 2 FT.4) Use of the water STOCK WATER5) Amount of groundwater claimed (in miner's inches, or gallons
per minute) 75 INCHES6) If used for irrigation, give number of acres and description of
land APPROX. 4 ACRES
CULTIVATED

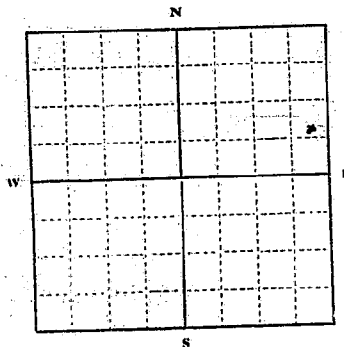
7) Estimate amount of water used each year.....

75 INCHESSignature of Owner Berniece OstromDate JUNE 18, 1973

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.



SE 1/4 NE Sec. 24, T. 15, R. 16E

Indicate point of appropriation
and place of use, if possible.

93008

STATE OF MONTANA } ss.
COUNTY OF SWEET GRASS
Filed this 18th day
of June A. D. 1923
at 11:00 o'clock A. M.
HAROLD PROSSER, Clerk
County Recorder
By Harold O. Prosser
Deputy

GW3

File No. 81720

DUPLICATE

T. 15 R. 16ECounty Sweet GrassRECEIVED
OCT 14 1963STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

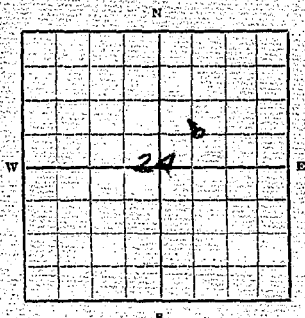
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater October 10, 1963Owner Vern Bondell Address Reed Point

Contractor (if any) _____

Address of Contractor _____

Date Started _____ Date Completed _____

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. impoundment of natural groundwater seepageQuantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use 20 inchesIndicate point of appropriation and place of use, if possible. SW 1/4 NE 1/4 Sec. 29 T. 15 S. R. 16 E

used continuously for stock water and intermittently for irrigation.

Signature of Owner Vern BondellDate Oct 10-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

6374

81720

STATE OF MONTANA }
County of Sweet Grass }

Filed this 10

of Oct day

at 11:00 A. D. 1963

at 11:00 o'clock A.M.

By Anne Haem

County Clerk

Deputy

File No. 8.1721T. 1 S. R. 16 E.

DUPLICATE

County Sweet Grass

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

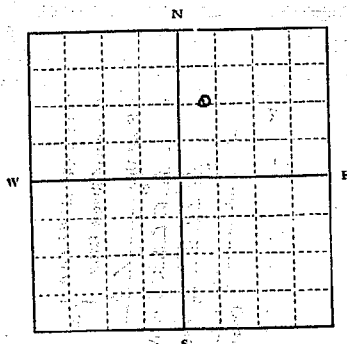
RECEIVED
OCT 14 1963
STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Vern Bondell, of Reed Point Mont
(Name of Appropriator) (Address) (Town)

County of Sweet Grass State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 24 T. 1 S. R. 16 E.

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.
Domestic use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 Gals per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
48 Acre of lawn
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Hand pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
8. The depth of water table 15 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
10. The estimated amount of groundwater withdrawn each year 182,500 gallons
11. The log of formations encountered in the drilling of each well if available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Vern BondellDate Oct 10 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

91721

STATE OF MONTANA } ss.
County of Sweet Grass }

Filed this 10 day
of October A. D. 1963
at 11:15 o'clock A. M.
Arne H. Jensen
Clerk.
By _____ Deputy.

MONTANA WATER RESOURCES BOARD
RECEIVED

File No. _____

T. 15 R 16E

DUPLICATE

JAN 6 1970

County Sweetgrass

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERTop of Ground 0-1 TOP Soil

(Elev. above sea level.....)

**Notice of Completion of Groundwater
Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner Bar X Prime Ranch Address Reedman, Mont.Driller B+H Drilling Address Fishtail, Mont.

Date of Notice of appropriation of groundwater.....

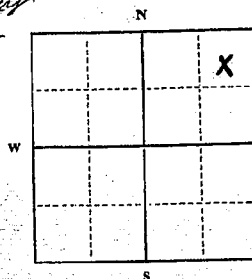
Date well started 12/12/69 Date completed 12/13/69Type of well Drilled Equipment used Churn drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	6 5/8 18.97	1+	24			
	4 1/2 Plastic	7-	47	3/16	32	43

Doc. No. 89232

Filed for record

this 5 day of JanuaryA. D. 19 70, at 10:40o'clock a M.Static Water Level for non-flowing well 3 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 40 feetat 15 gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested BailerLength of Test 2 hrs

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff).....

NE 1/4 Sec 24 T. 15 R. 16E

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

47 ft.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Red L. Hargan
Driller's Signature.46022

89332

FILED Jan. 5, 1970
10:40 O'clock A.M.

File No:
MARGARET PLACEMEYER Clerk & Recorder

By Deputy Robert D. Freaney